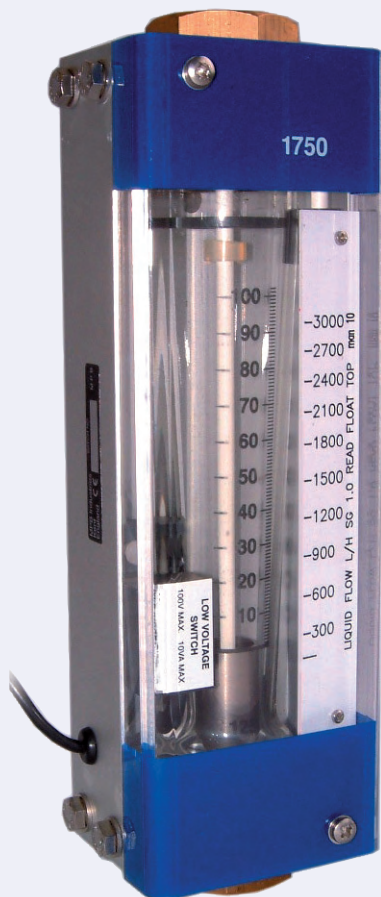


SERIES 1750

VARIABLE AREA FLOWMETER



DATA SHEET



The Series 1750 range of Variable Area Flowmeters are ideal for providing instantaneous flow rate measurement for most process gases and liquids. The standard models are suitable for flows up to 50 lit/min on liquids and 1750 lit/min on gases @ STP.

These units feature a calibrated metric scale of 100mm which is permanently fixed on the tube, although a useful blank scale plate can also be provided for customers requiring their own calibrations.

Materials of construction ensure compatibility to a wide range of industrial process mediums and applications, end connections can be supplied in brass, stainless steel, or rigid PVC. They can be fitted with Hi and Lo latching alarms, including an economical latching alarm which enables the alarm to remain activated whilst flow is above or below a set point. This reduces expensive electronic circuitry and is ideal for remote process control applications.

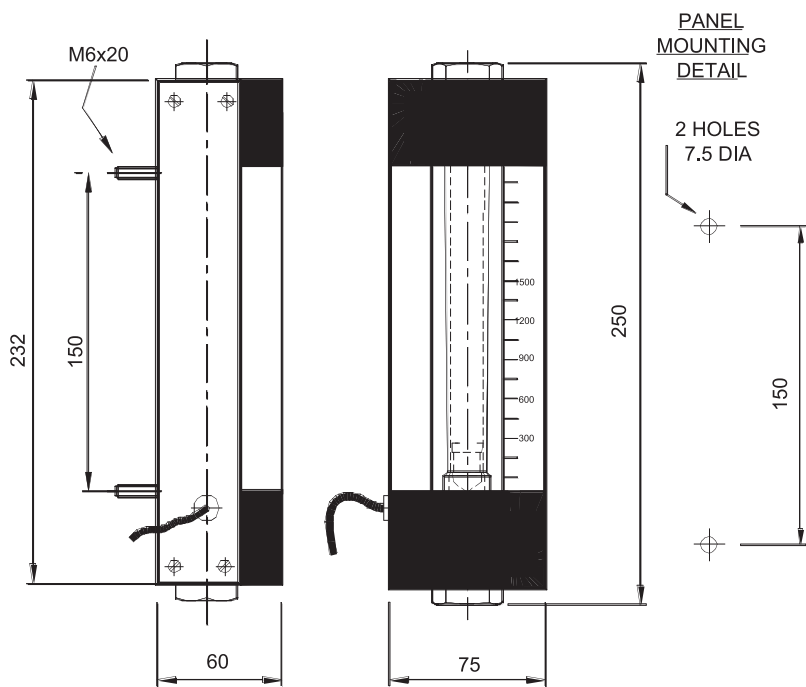
SERIES 1750 FEATURES

- Direct reading of instantaneous flow rates
- Economical latching alarm (s)
- Integral safety cover
- Metric scales
- Plain scale plate for customer calibration if required
- Wide range of standard flow rates
- Lightweight, yet robust construction
- Tube assembly easily removed / replaced in-situ
- PVC, brass or stainless steel connections available as standard
- Guided floats are used on all ranges for stable reading
- Can be supplied with flanges
- In-line mounting or panel mounting

[Technical Specification >](#)

SERIES 1750

Technical Specification



Please contact Filton Process Control for rear of panel mounting kit

1750 VARIABLE AREA FLOWMETER

- Chassis: Anodised aluminium to BS EN 12373/AA25
- End Blocks: Rigid PVC, Brass or Stainless steel Process
- Connections: 1/2, 3/4" & 1" BSPPF
- Cover: Acrylic
- Seals: Nitrile or Viton
- Metering Tube: Borosilicate glass with metric permanently fired scale
- Scale: Adjustable calibrated scale (blank scale if required)
- Floats: Hard anodised aluminium
Stainless steel
- Weight: 1100 grams (typical)
- Maximum Working Pressure: Gas: 6 bar g (non shock)
Liquid: 10 bar g (non shock)
- Maximum Working Temperature: 600°C Nitrile
1000°C Viton
- Accuracy: ± 5% FSD predicted
- Optional Alarm: Rating: 100V max.
1 amp max.
10VA max.
Resistive load
Contacts N/O
- Connection: 2 metre flying lead

STANDARD RANGES

AIR @ STP	WATER	WATER
15 – 150 L/min	0.5 – 5 L/min	30 – 300 l/hr
30 – 300 L/min	1.0 – 10 L/min	60 – 600 l/hr
75 – 750 L/min	2.0 – 20 L/min	120 – 1200 l/hr
100 – 1000 L/min	2.5 – 25 L/min	150 – 1500 l/hr
150 – 1500 L/min	5.0 – 50 L/min	300 – 3000 l/hr
175 – 1750 L/min		

Customised flow ranges are available.

Please consult Filton Process Control to select the required flow range for the process fluid.

FILTON PROCESS CONTROL ENGINEERING

Floor 3, 5A Boltro Road, Haywards Heath, West Sussex RH 16 1BP
T: 01444 417880 F: 01444 417668 sales@filton.com